

Title (en)
C60 GLUTATHIONE DOPA AND METHODS

Title (de)
C60-GLUTATHION-DOPA UND VERFAHREN

Title (fr)
DOPA À BASE DE GLUTATHION C60 ET MÉTHODES

Publication
EP 4301347 A1 20240110 (EN)

Application
EP 21929405 A 20211210

Priority
• US 202163154899 P 20210301
• US 2021062908 W 20211210

Abstract (en)
[origin: WO2022186876A1] A novel dual neurotransmitter nanoparticle composition is provided to store and transport protons and cations into neural cell membranes and to disassemble salt-bridge stabilized toxic protein plaques. These properties function to mitigate cognitive deficits in neurological diseases such as Parkinson's disease and Alzheimer's disease, as well as to reduce the severity of Inflammatory Bowel Syndrome, and aging related reactive oxygen species damage by promoting the sequestration and termination of free radicals and reactive oxygen species. The composition comprises C60 bonded to one or more gamma amino butyric acid molecules and one or more molecules of either levodopa or dopamine. The composition can be produced at low temperatures through reactive shear milling. This composition therapeutically improves and prophylactically preserves cognitive performance, memory, and mental acuity on aging to promote mental performance and health-span improvement.

IPC 8 full level
A61K 31/00 (2006.01); **A61P 25/28** (2006.01); **B82Y 5/00** (2011.01)

CPC (source: EP)
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Citation (search report)
See references of WO 2022186871A1

Designated contracting state (EPC)
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Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

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